

ABSTRACT

A winch for use in a folding camper for raising and lowering the camper, includes a reversible electric motor mounted on a chassis with a threaded rod being
5 rotationally coupled through the electric motor. A winch spool is also rotatably coupled with the electric motor and is adapted to receive a cable used in raising and lowering the camper. A trigger mechanism is threadably engaged with a threaded rod and adapted for linear movement along the threaded rod upon rotation of the threaded rod and at least one limit switch is positioned adjacent to the threaded rod which is
10 electrically coupled to the electric motor such that upon activation of the limit switch by the trigger mechanism, the electric motor is deactivated to stop rotation of the threaded rod and the winch spool. In the preferred embodiment, there are two limits switches to deactivate the motor in either of its reversible directions.